LEGGED MOBILE ROBOT 100**FIG.1**

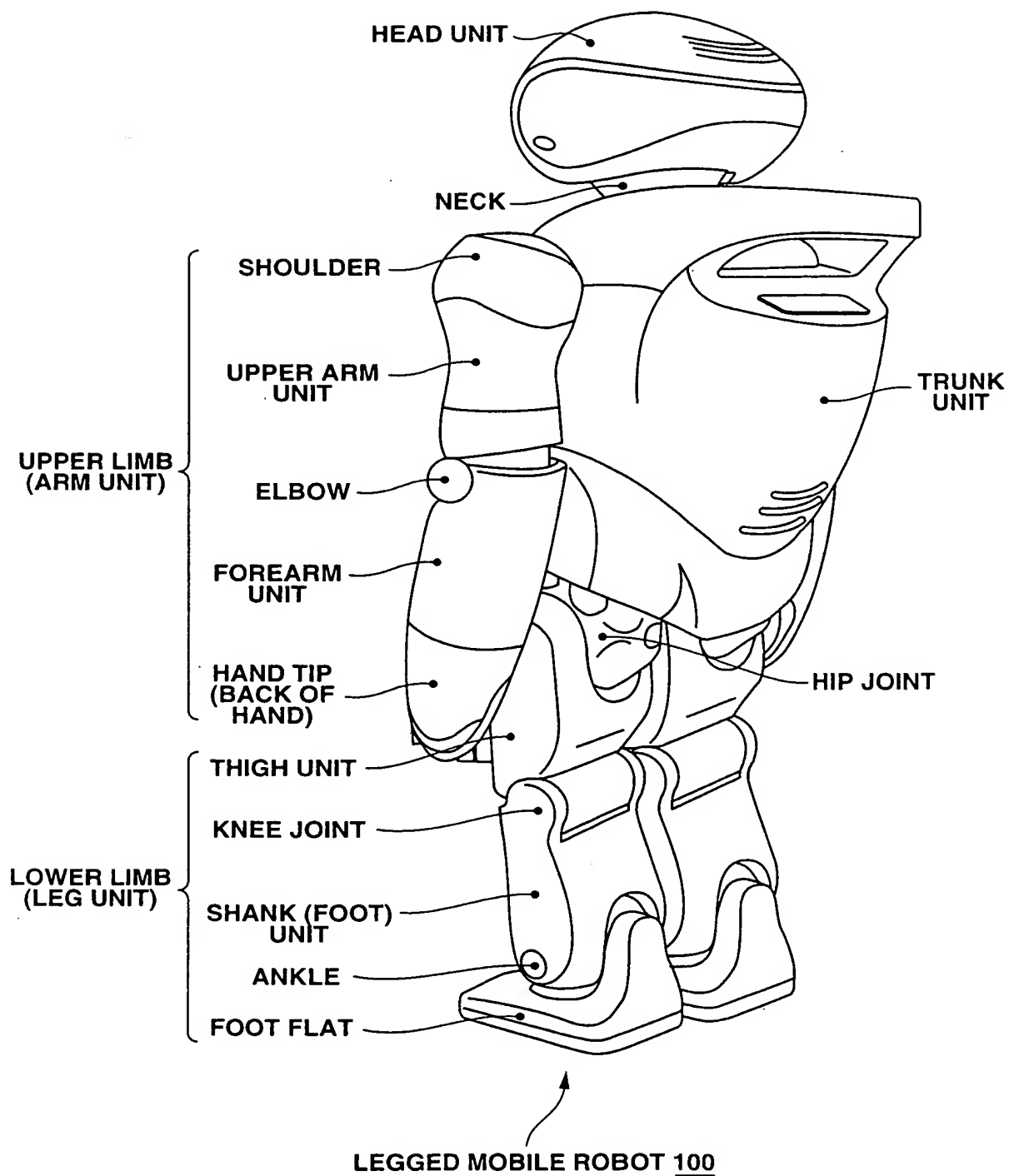


FIG.2

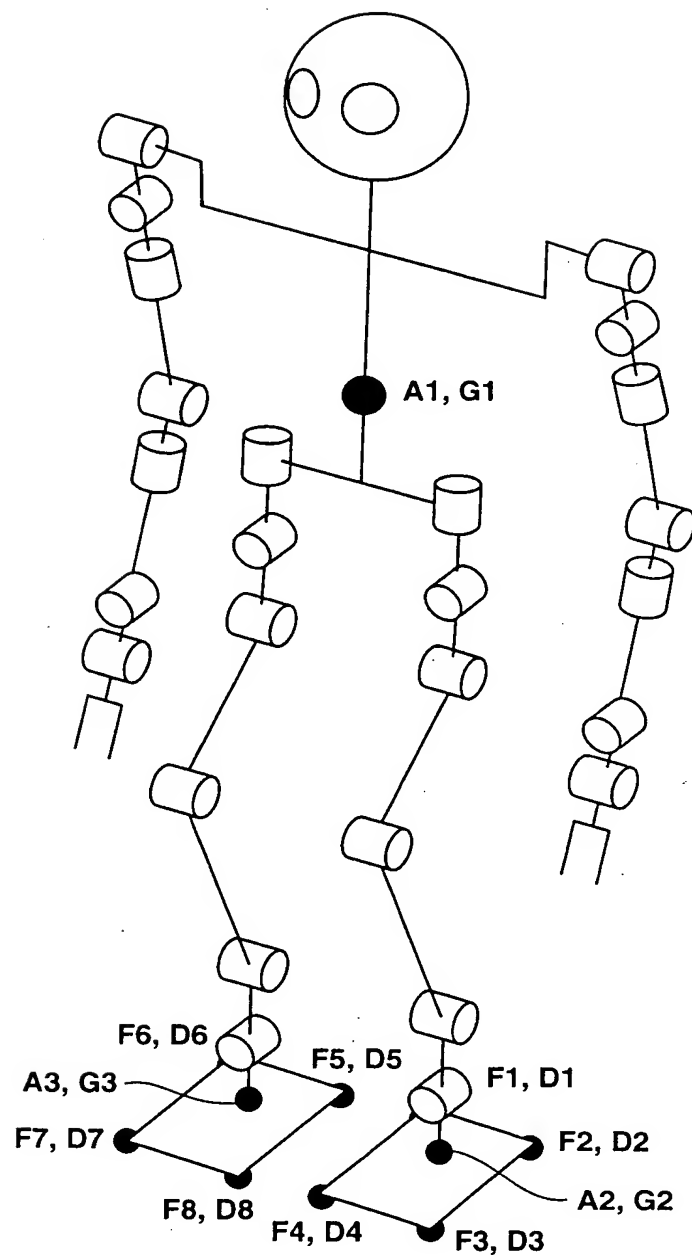


FIG.3

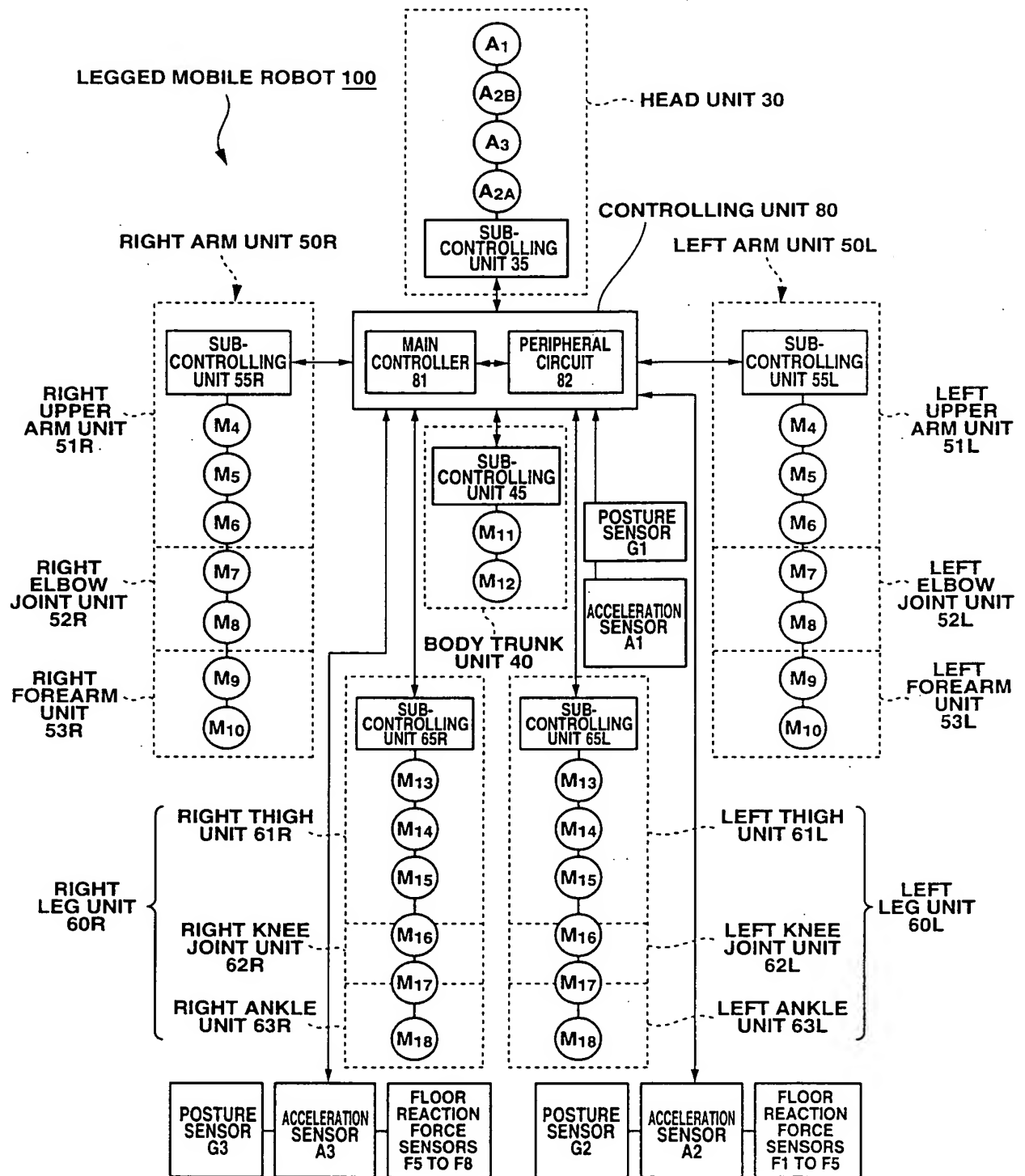


FIG.4

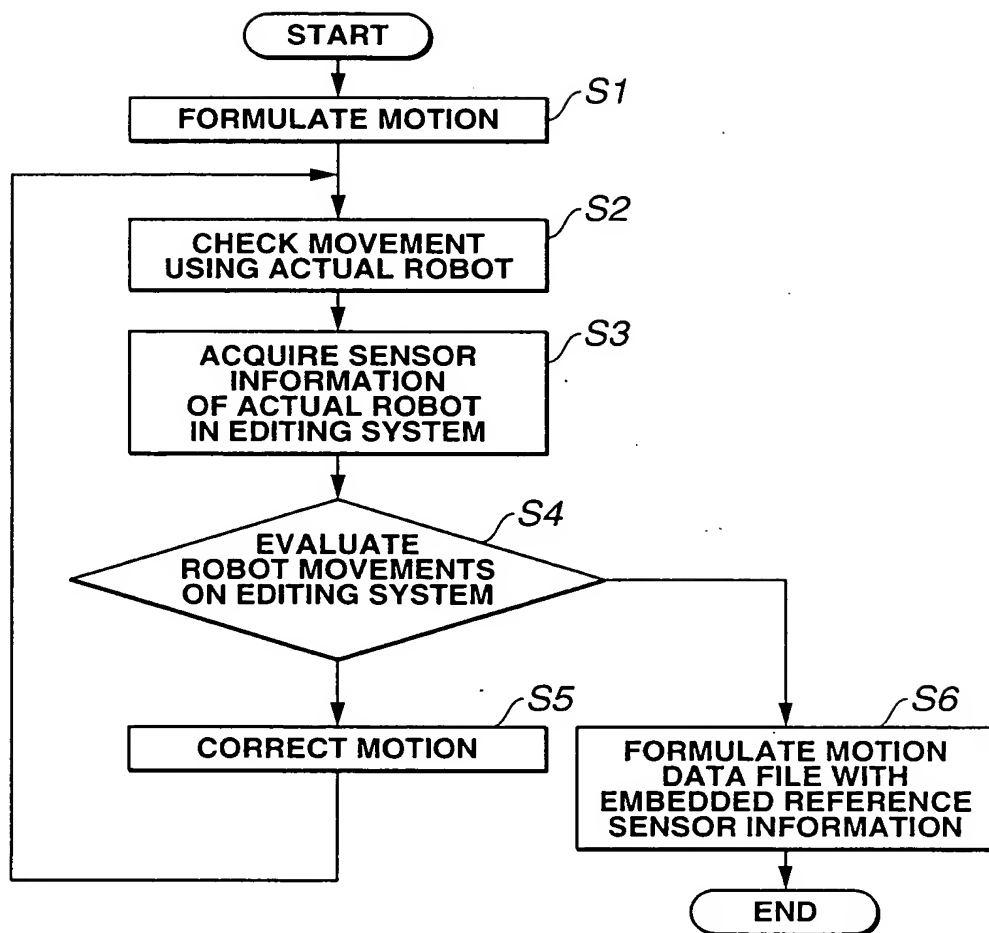


FIG.5

TIME	R_Waist_Pitch	M_Waist_Pitch	R_Waist_Roll	M_Waist_Roll	R_Right_Shoulder_Pitch	M_Right_Shoulder_Pitch
0	1.3	1.06294	0	0.021973	5.625	5.625
0.010	1.3	1.06294	0	0.016479	5.625	5.625
0.020	1.3	1.068433	0	0.32959	5.625	5.625
0.030	1.3	1.06294	0	0.32959	5.635987	5.635987
0.040	1.3	1.06294	0	0.016479	5.625	5.625

<JOINT NAMES>

Waist_Pitch:

WAIST JOINT PITCH AXIS

Waist_Roll:

WAIST JOINT ROLL AXIS

Right_Shoulder_Pitch: RIGHT SHOULDER JOINT PITCH AXIS

FIG.6

TIME	R_PelvisAccelX	M_PelvisAccelX	M_PelvisACAccelX	F_PelvisACAccelX	R_PelvisGyroRoll	R_PelvisGyroRoll
0	0.0	-0.136172	0.000143	0.000143	0.0	0.010594
0.010	0.0	-0.134975	0.000143	0.000143	0.0	0.010594
0.020	0.0	-0.139764	0.000143	0.000143	0.0	0.011169
0.030	0.0	-0.140961	-0.153087	-0.153087	0.0	0.010594
0.040	0.0	-0.143355	-0.153087	-0.153087	0.0	0.011169

<SENSOR NAMES>

PelvisAccelX: X-AXIS PELVIS UNIT ACCELERATION SENSOR VALUE

P lvisACAccelX: X-AXIS PELVIS UNIT ACCELERATION SENSOR AC VALUE (ALTERNATING CURRENT COMPONENT)

PelvisGyroRoll: RIGHT SHOULDER JOINT PITCH AXIS

FIG.7

TIME	R_RightFootZMPX	M_RightFootZMPX	R_RightFootZMPY	M_RightFootZMPY
0	0.0	-0.005918	0.0	-0.027209
0.010	0.0	-0.005918	0.0	-0.027209
0.020	0.0	-0.005918	0.0	-0.027209
0.030	0.0	-0.005918	0.0	-0.027209
0.040	0.0	-0.005918	0.0	-0.027209

<NAME OF ZMP TRAJECTORIES>
RightFootZMPX: X-AXIS RIGHT FOOT ZMP TRAJECTORY
RightFootZMPY: Y-AXIS RIGHT FOOT ZMP TRAJECTORY

FIG.8

TIME	R_RightFootCNT	M_RightFootCNT	R_RightFootFZ
0	15	15	33.932476
0.010	15	15	34.004326
0.020	15	15	34.004326
0.030	15	15	33.941456
0.040	15	15	34.004326

< TOUCHDOWN INFORMATION >

RightFootCNT: RIGHT FOOT TOUCHDOWN

RightFootFZ: RIGHT FOOT FLOOR REACTION FORCE

FIG.9

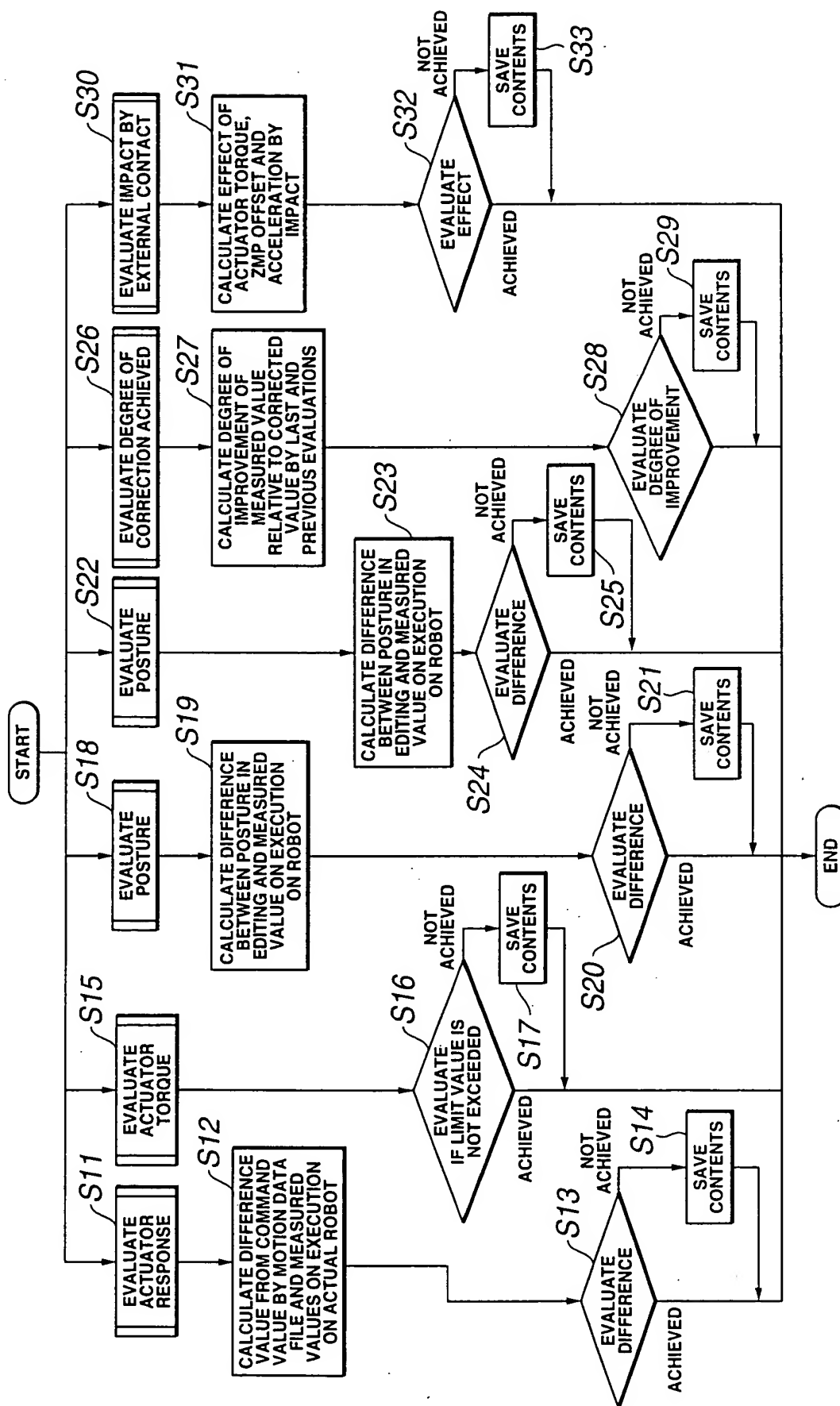


FIG.10

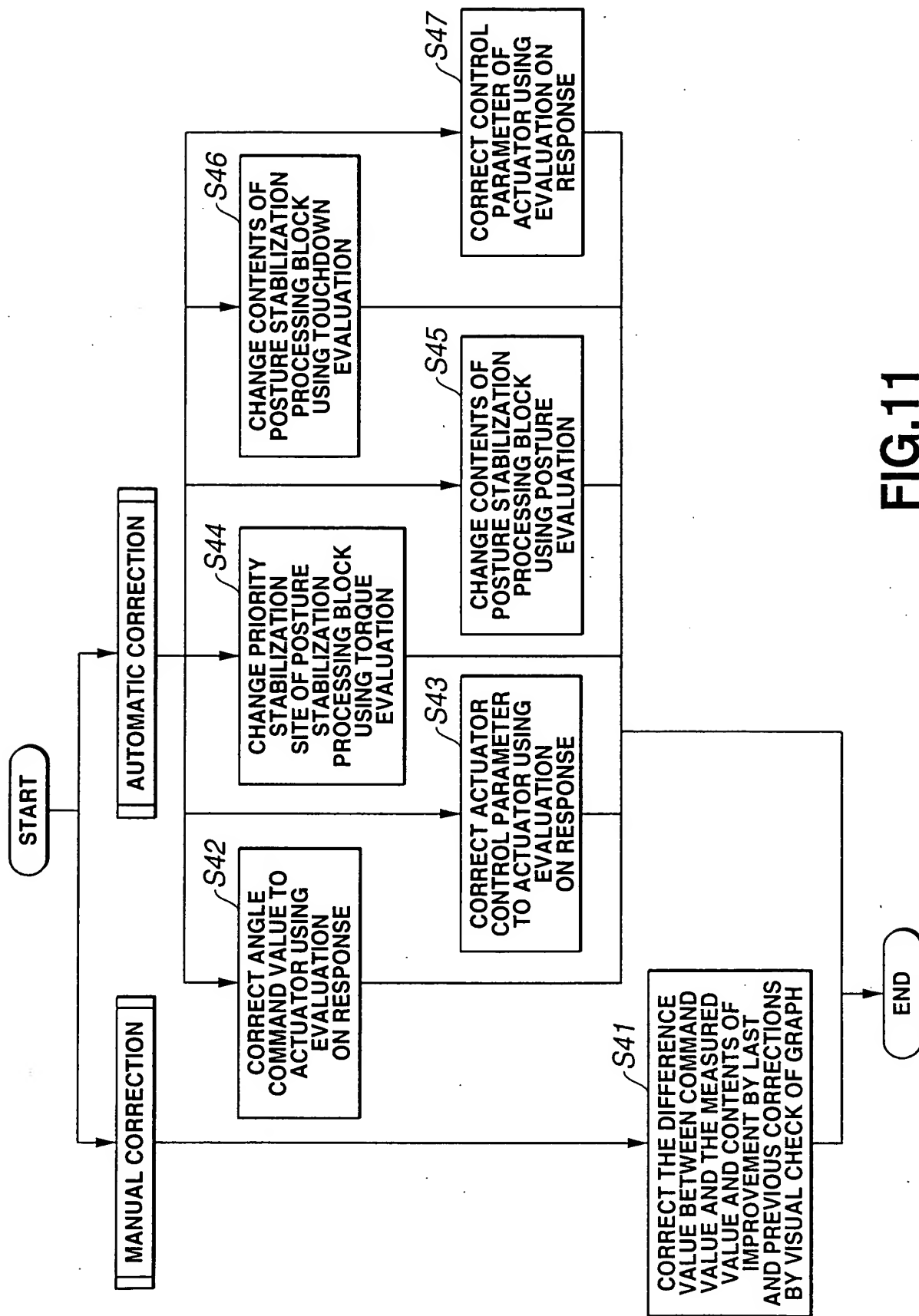


FIG.11

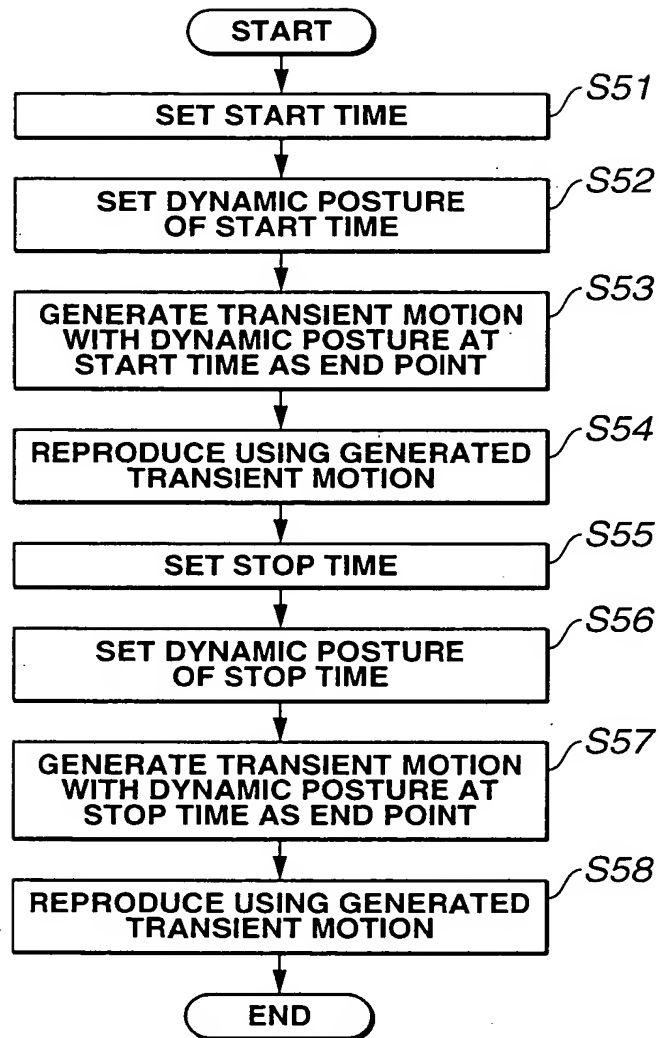


FIG.12

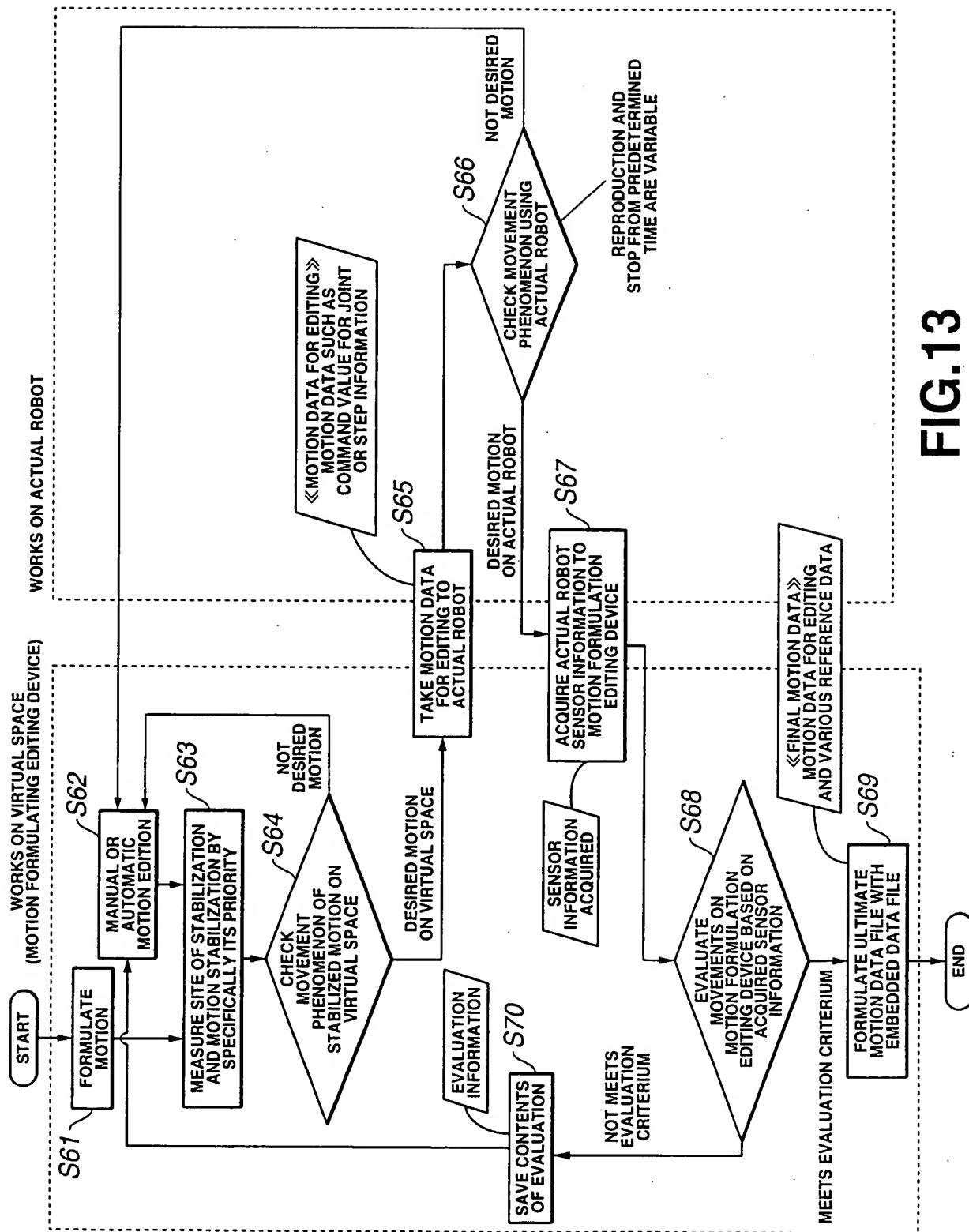


FIG.13